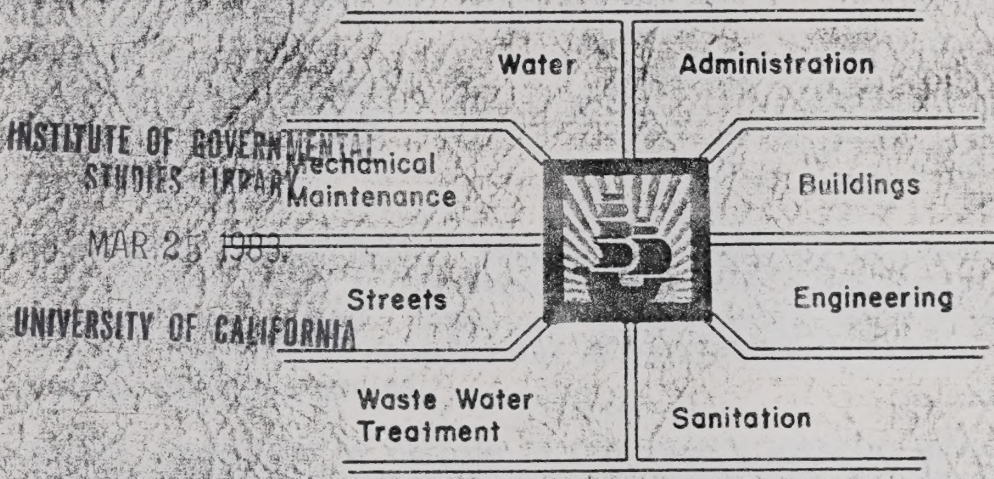
A0183
1980-1981

Department of Public Works



INSTITUTE OF GOVERNMENTAL STUDIES LIBRARY
MAR 25 1983
UNIVERSITY OF CALIFORNIA

1980 - 81 Annual Report

City of Santa Maria

A 0183
1980/1981

CITY OF SANTA MARIA · 110 EAST COOK STREET · SANTA MARIA, CALIFORNIA 93454 · 805-925-0951

Public Works Department

October 1, 1981

Mr. Robert F. Grogan
City Administrator
City of Santa Maria
110 East Cook Street
Santa Maria, CA 93454

Dear Bob:

It is with a great deal of pleasure that this fiscal year report for 1980-81, which is the eleventh in a continuing series of this type, is transmitted. Contained in this report for recordation are the significant departmental activities which have occurred during this time period.

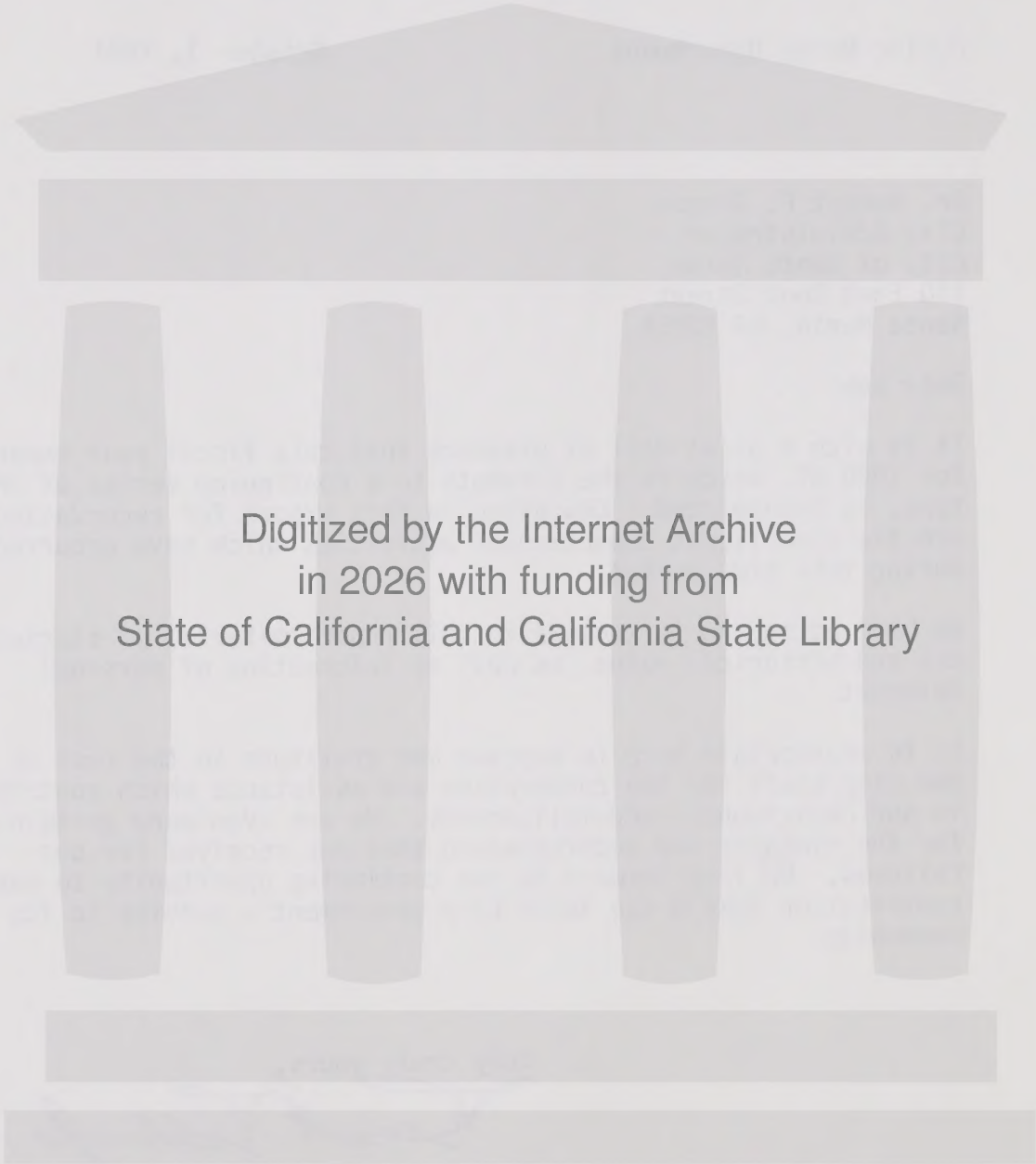
We have attempted to include in this report material of statistical and historical value, as well as information of personal interest.

It is appropriate here to express our gratitude to the rest of the City staff for the cooperation and assistance which contributed to our departmental accomplishments. We are even more grateful for the sympathy and understanding that was received for our failures. We look forward to the continuing opportunity to make a contribution toward the total City government's service to its community.

Very truly yours,

Reese N. Riddiough

REESE N. RIDDIOUGH
Director of Public Works


Digitized by the Internet Archive
in 2026 with funding from
State of California and California State Library

https://archive.org/details/igsl_annual-report-santa-maria-pw_1981

CITY COUNCIL

George Hobbs, Jr.	Mayor
Jack Adam	Mayor Pro Tempore
Donald Shaw	Councilman
Allen Burke	Councilman
Toru Miyoshi	Councilman

ELECTED OFFICIALS

Dorothy S. Lyman	City Clerk
William W. Winter	Treasurer

PRINCIPAL ADMINISTRATIVE OFFICERS

Robert Grogan	City Administrator
Wayne Schwammel	Deputy City Administrator
Al Autry	Community Development Director
C.W. Crakes	Fire Chief
Robert S. Hossli	Finance Director
Mike Maramonte	Parks & Recreation Director
Jack Buchanan	Librarian
Allen Grimes	City Attorney
Joseph Centeno	Chief of Police

PUBLIC WORKS DEPARTMENT

Supervisory Staff

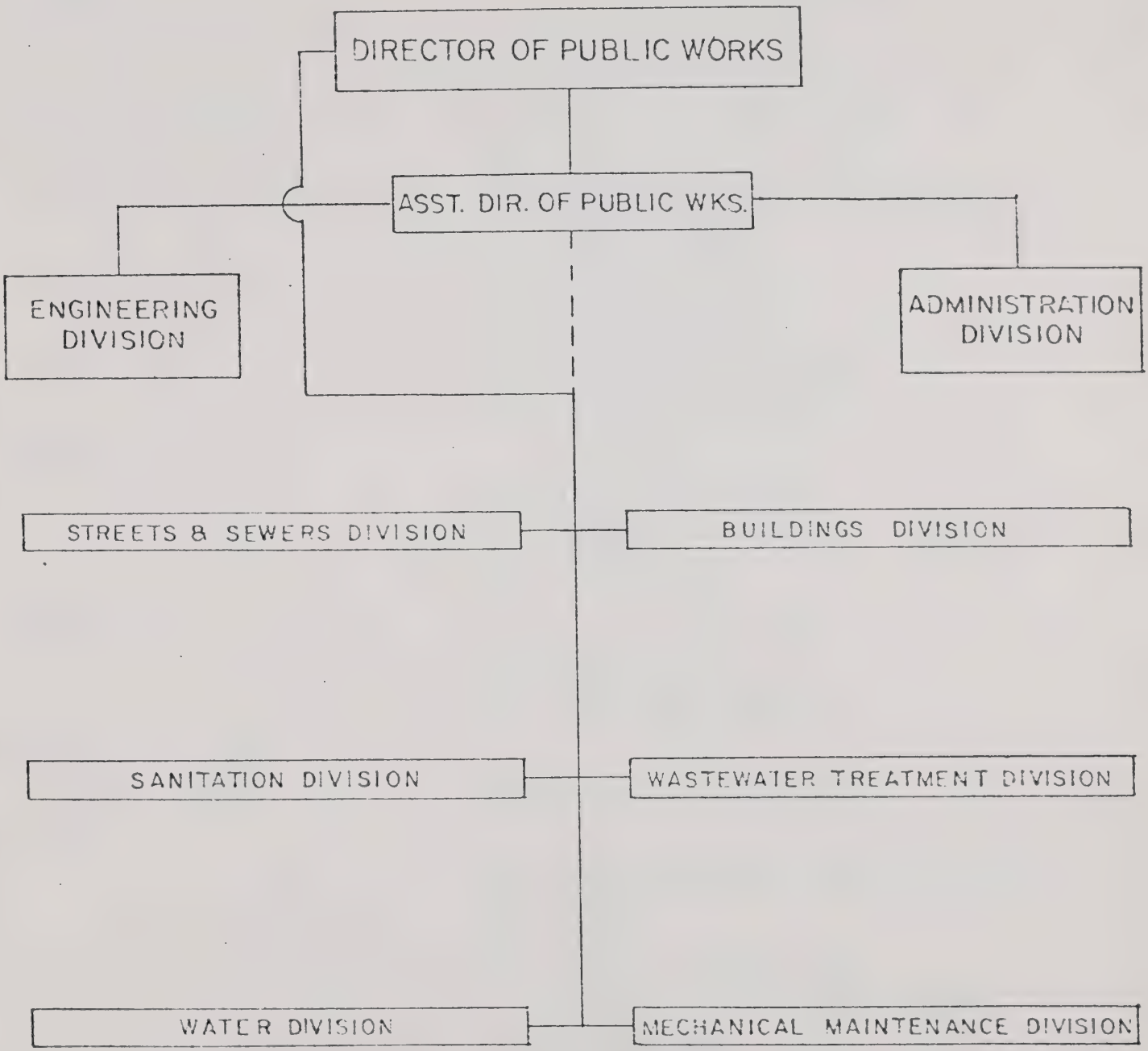
Reese N. Riddiough	Director
Jeffrey S. Sinn	Assistant Director
Norman Anderson	Building Maintenance Superintendent
William F. Noble	Sanitation Superintendent
Bennett Middleton	Wastewater Plant Superintendent
Hank Ramirez	Mechanical Maintenance Superintendent
Jesse Smith	Water Superintendent
Bill Williams	Street Superintendent

TABLE OF CONTENTS

	Page No.
Public Works Department Organization Chart	1
Division Activities:	
- Administration	3
- Buildings	5
- Engineering	8
- Mechanical Maintenance	13
- Sanitation	17
- Street Division	23
- Wastewater Treatment Plant	29
- Water	36
Engineering, Operation and Administration Studies	42
Finances	45
Personnel Notes	46
Employee Roster	48

ORGANIZATION CHART
EXISTING 1980–81

PUBLIC WORKS



DIVISION ACTIVITIES

The thirty-six (36) functional activities of the department are assigned to one of eight divisions. Highlights of the past year regarding each of these divisions are summarized in this report.

Division	Functional Activities
Administration	1. Directors 2. Secretary and Clerical
Building Maintenance	3. Maintenance and Modification
Engineering	4. Design 5. Contract Administration (including SMAT) 6. Advance Planning 7. Traffic 8. Graphics & Records 9. Private Development 10. R/W Property 11. Engineering Information 12. Drainage 13. EIR Information Reports
Mechanical Maintenance	14. Operator's Training 15. Maintenance & Repair 16. Preventive Maintenance 17. Dispatching 18. Parts & Records
Sanitation	19. Container Collection 20. Can Collection 21. Disposal Fee Collection 22. Landfill Operation
Wastewater Treatment	23. Wastewater Treatment Plant 24. Wastewater Lift Stations
Streets	25. Asphalt & P.C. Concrete Maint. & Repair 26. Traffic Striping & Stencil Painting 27. Sweeping 28. Signing 29. Parking - Streets & Lots 30. Street Lights & Electric 31. Grading Alleys & Drainage Ditches 32. Weed Abatement 33. Maintain Sewer Lines 34. Stowell & Santa Maria Town Centers
Water	35. Production 36. Distribution

ADMINISTRATION

This division is responsible for administrative and clerical support of all activities of the Public Works Department, including coordination of program planning, budget preparation and control, personnel, supervisory training, administrative reports, maintenance of engineering records and investigation of complaints.

Administratively there were no C.E.T.A. (Comprehensive Employment & Training Act) employees processed as the City was not actively involved with this training program during fiscal year 1980-81. There were, however, numerous part time employees who were processed to work for the various divisions as noted under Personnel Notes.

The Public Works Department in fiscal year 1980-81 continued to implement a new City wide fee structure. There is no longer a deposit for street encroachment permit applications (concrete or excavation). The new permit system requires a fee which is used to defray administrative costs involved and there are no longer any funds returned to the permittee. There is, however, an exception that if in calculating the inspector's time it is found that less time was needed to inspect the permit work, a portion of the inspector's fee will be returned to the permittee. For fiscal year 1980-81 there were refunds for 5 permits amounting to $63.75. Total amount collected for both concrete and excavation permits for fiscal year 1980-81 amounted to $2,999.50. Total permits issued by the Public Works Department were 106 with only 2 voided and 2 no charge. The no charge permits were issued to Santa Maria Public Airport District and Smith Electric.

Consequently, the Public Works Department during fiscal year 1980-81 issued a grand total of 110 street encroachment permit applications.

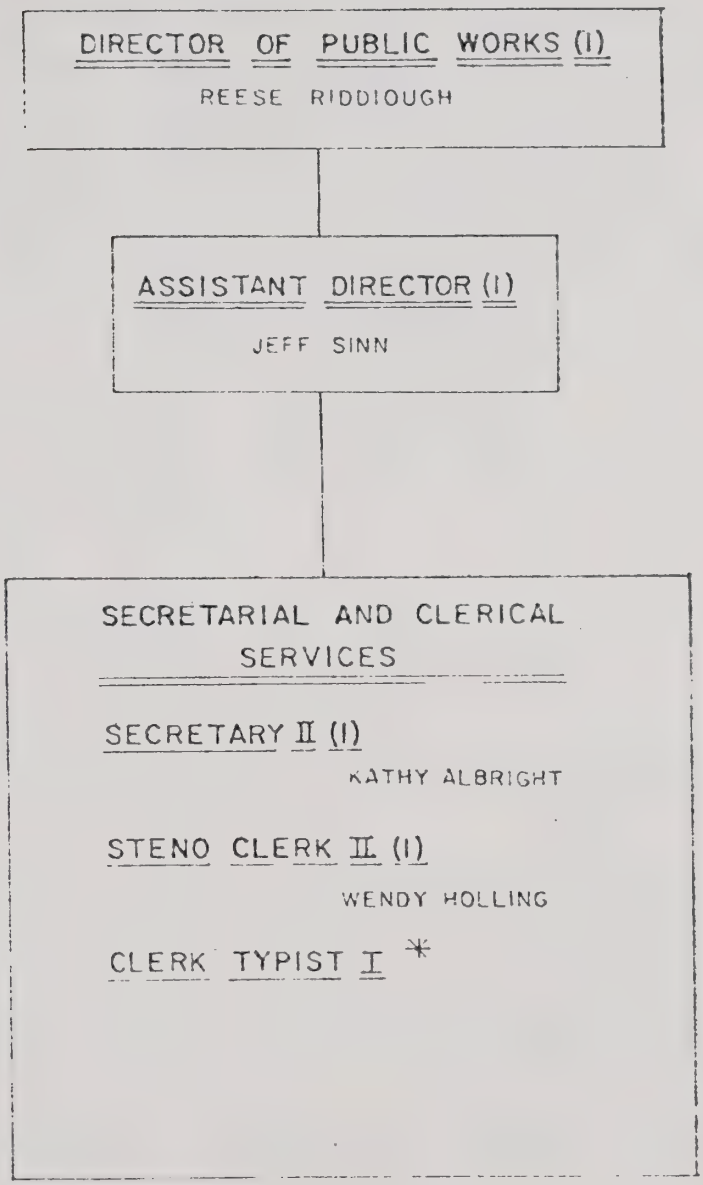
ADMINISTRATION DIVISION

CITY OF SANTA MARIA

DEPARTMENT OF PUBLIC WORKS

ORGANIZATION CHART

EXISTING 1980-81



* PART TIME

BUILDING MAINTENANCE DIVISION

The Building Maintenance Division has the responsibility for maintenance and modification of Public Works Center, City Hall, Library, Police Department, the Broadway-McClelland moduals and advisory and modification responsibility on Recreation and Parks Department units. These tasks involve all functions connected in the modification, operation and upkeep of all City buildings within the realm of skills and capabilities of this division.

The tasks completed this last fiscal year totaled as follows: Material and contract service - $30,734.02 of which $10,463.94 was contract services and $9,569.31 in materials for new work; 13.098 man hours of which 367 hours were furnished by the Senior Citizens' Training Program.

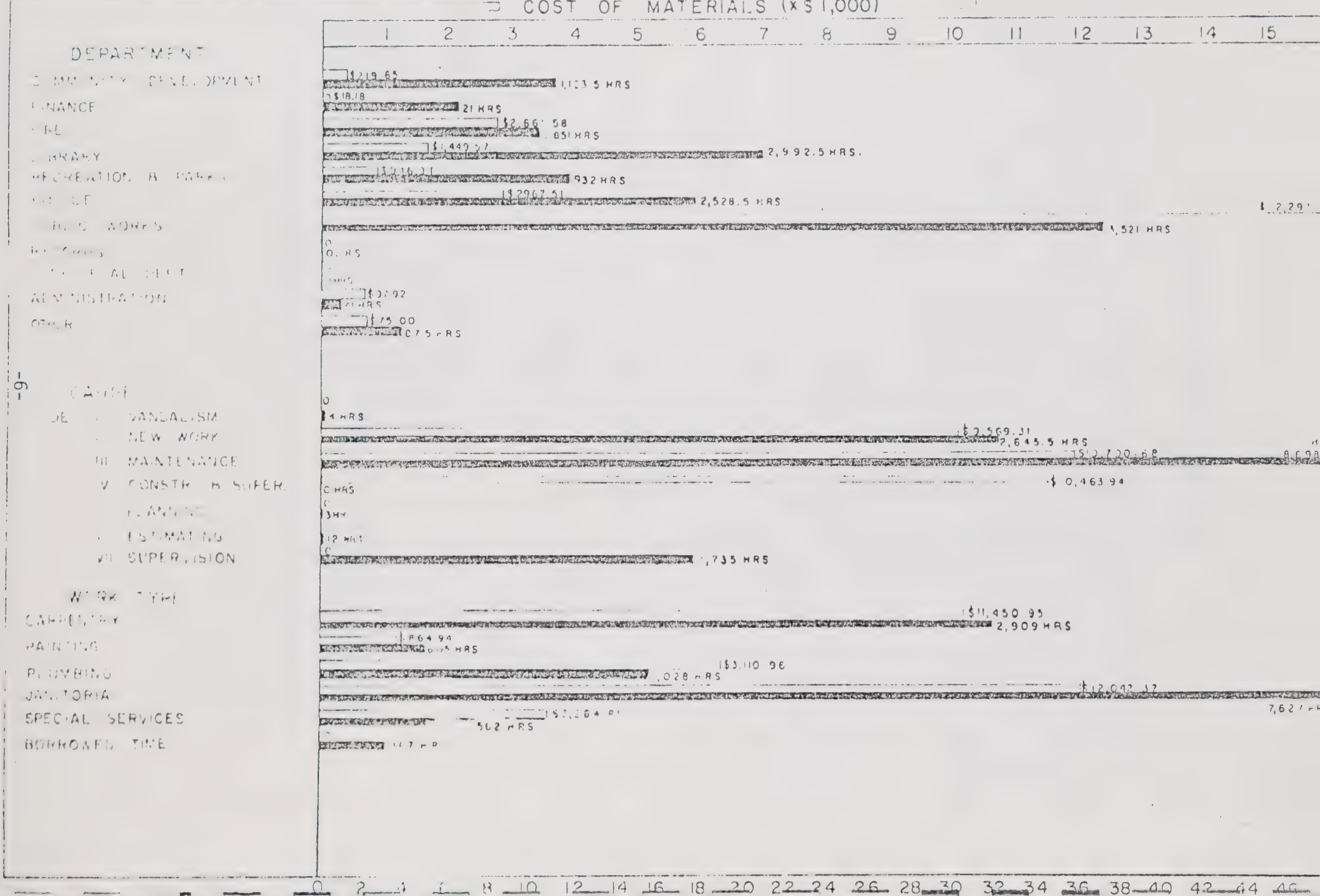
Highlights of jobs completed for fiscal year 1980-81 were as follows:

1. New Fire Station #3 Remodeling.
2. Police Department Lobby and Record Bureau and installation of a window in Detective Bureau.
3. Domestic water pump houses - 8 constructed.
4. Installed insulation and replaced ceiling panels at Community Development.
5. Metal roofs installed over roof mounted heaters at Minami Center.
6. Cleared old house from City property at 817 W. Cypress.
7. Reservoir #3; cut off rot on perimeter rafters and replace facial board and work with roofing contractor to replace any rotted or broken sheathing.
8. Installation of automatic Ph and chlorine system at Paul Nelson Pool.

BUILDING MAINTENANCE ACTIVITY REPORT

1980-1981

REDRAWN 6-6-81



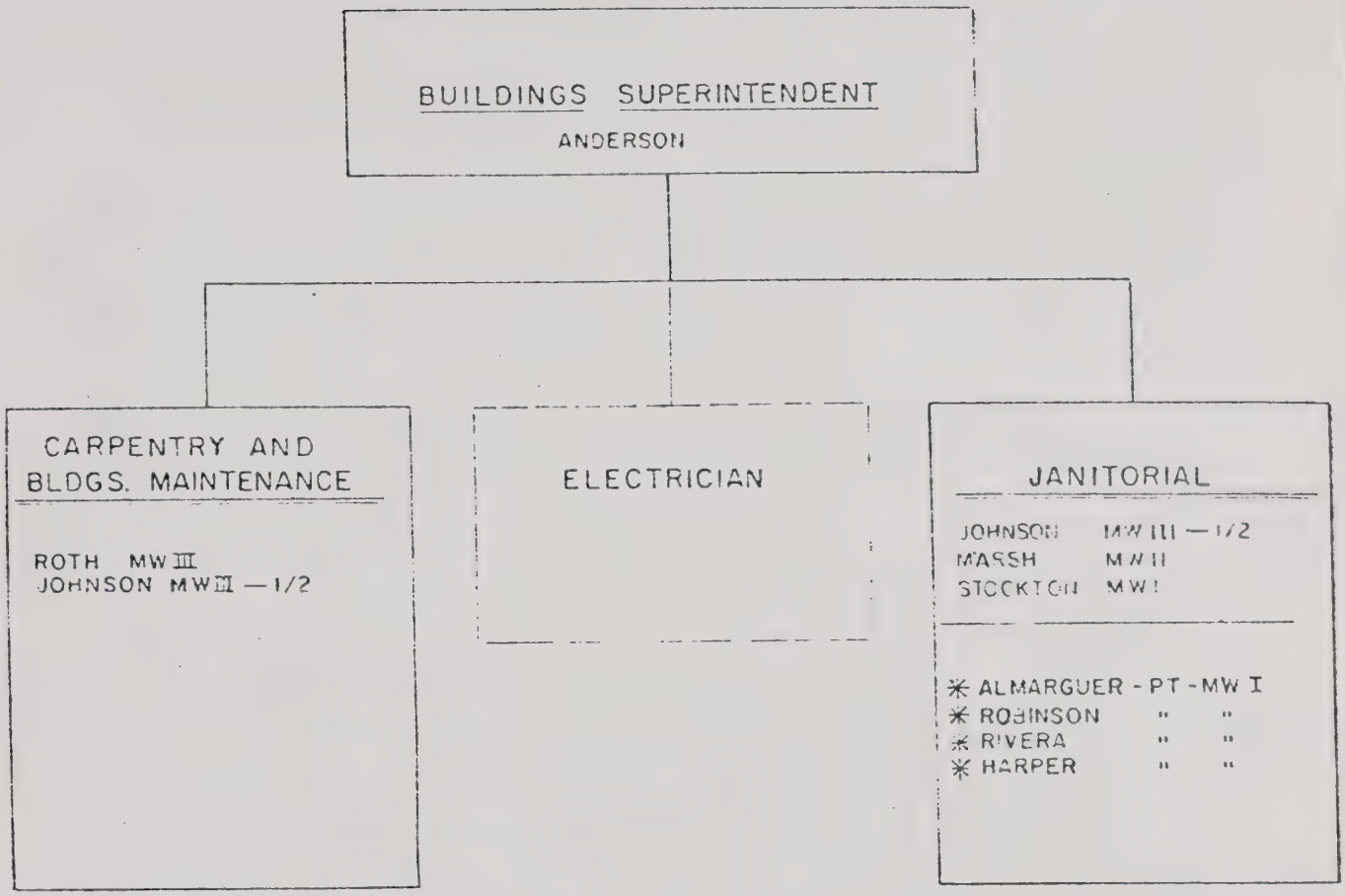
BUILDINGS DIVISION

CITY OF SANTA MARIA

DEPARTMENT OF PUBLIC WORKS

ORGANIZATION CHART

(EXISTING)



* FULL PART TIME

ENGINEERING DIVISION

The major construction project for the past fiscal year was the continuation of the $6.5 million expansion of the Wastewater Treatment Plant. As of June 30, 1981, the project was approximately 85% complete with final acceptance currently scheduled for October, 1981. In addition, work began on the $1.0 million contract to improve the wastewater disposal portion of the plant, with completion anticipated at about the same time as the treatment facilities.

Other significant projects include traffic signal installations or modifications at five intersections in the City and a storm drain construction in Fesler Street. Also, several major water line improvements were completed as well as the annual street maintenance contract.

As in recent years, private development continued at a high level of activity. The only change in the personnel compliment for the division was the resignation of the Engineering Aide (See Personnel Notes).

The traffic safety study of North Broadway was initiated for the purpose of reducing accidents and safer left turn movements. Recommendations were made for South Miller Street between Barcellus and Camino Colegio which resulted in channelization south of Stowell Road and deferring the area north of Stowell for further study. Assistance was also provided to Santa Maria Area Transit in planning the bus stops for the new routes. Numerous staff studies were completed along with input for traffic studies by private developments.

Plate 2 shows the major activities of this division, plus their respective approximate costs as a percentage of the total division salaries. Total includes regular salaries, overtime and part time salaries. This total was $215,576.88 for the fiscal year 1980-81.

Total authorized budget for this division for 1980-81 was $304,040. The total amount expended or emcumbered was $297,392 or approximately 97.81% of the funds authorized.

Private development and subdivision activity, shown on plate 2, include the following:

1.	Building site reports for the permit application.	101
2.	Subdivision reports for Subdivision Committee meetings.	43
3.	Development Coordination reports for Development Coordination Meetings.	0

Traffic Engineering and Traffic Committee activity shown on Plate 2 include the following:

1.	Curb zone and parking investigation	14
2.	Speed zone studies	4
3.	Truck complaints	3
4.	Intersection studies	1
5.	Traffic signal studies	1
6.	Misc. traffic controls	16
7.	Traffic studies and reports	3
8.	Annual traffic count summary	
9.	Studies:	

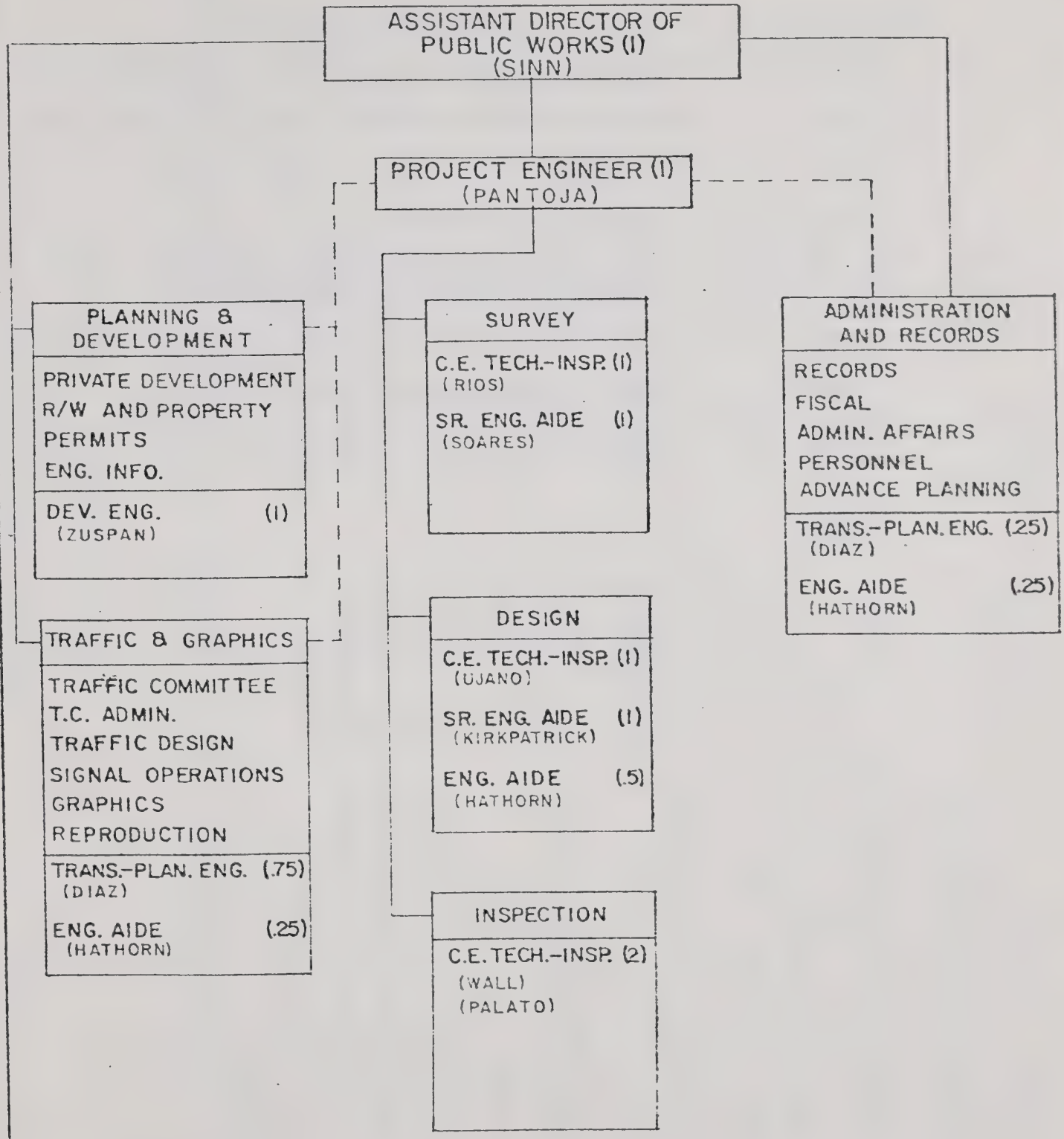
A. North Broadway, Fesler to Donovan
B. South Bradley, Main to Jones, One-Way
C. Miller Street, Morrison to south of Barcellus

Current engineering projects, shown on Plate 3, include any project accepted as complete by the City Council during the past year. These projects, prior to construction phase, had a set of plans and specifications prepared or reviewed by this division. Facts included on Plate 3 are the final contract amount, dates of Council award and final acceptance, and the percentage of engineering cost for the entire project based on the final contract price.

As recorded by this office, rainfall for the 1980-81 season was 12.71 inches which is slightly under the average of 13.66 inches for the City.

ORGANIZATION CHART
EXISTING 1980-81

ENGINEERING DIVISION



-PLATE 1-

ENGINEERING DIVISION

Fiscal Year Salary Expenditure (1980-81)

Percentage*	Activity Classification
29.06	Private Development, Subdivisions, Public Inquiries
29.13	Current Engineering projects; design and construction
14.75	Non-productive (meetings, holidays, vacation, sick leave)
3.32	Information and records
3.79	Advance planning, annexations, engineering studies, underground distribution, microfilming
6.58	Support services (for City departments & divisions)
7.55	Traffic engineering and traffic committee
5.82	Administrative services, gas tax reports, 5870 proceedings
100.00%	

* Percent of total salaries

Total salaries include regular salaries, over time and part time

1980-81 total: $215,576.88

PLATE 2

ENGINEERING DIVISION
PLATE 3
FISCAL YEAR ENGINEERING PROJECTS

(Project Construction Started and/or Completed;
7/1/80 to 6/30/81)

Bid No.	Project Description	Final Cont. Cost	Council Award	Council Acceptance	Percent Eng. Cost/Project	Contractor
	CITY PROJECTS					
80/2	Water Line Project 1979	$102,602.52	08/21/79	11/18/80	3.30%	R. Baker Constructi
80/4	Techite Water Line Replacement	$248,298.76	09/04/79	08/19/80	1.30%	Jamieson Constructi
80/8	Chemical Weed Abatement 1979-80	$ 14,869.03	01/15/80	03/18/80	0.44%	Frank Olocco
80/9	Stowell/College Traffic Signals & Lighting	$ 92,967.40	04/15/80	01/06/81	3.38%	Lee Wilson Electric
80/12	Sidewalk Project 1980	$ 18,623.60	06/17/80	08/19/80	0.85%	Lopez Sewer Contrac
80/13	Fesler St. Reconstruction, Depot to Broadway (Phase I)	$329,198.70	06/17/80	03/17/81	3.71%	Charles Pratt Const
81/1	Street Maintenance 1980	$244,360.67	08/05/80	11/04/80	0.29%	M.J. Hermreck
81/4	Chain Link Fence Installation @ City Landfill Site	$ 7,915.00	09/16/80	12/16/80	7.13%	Alcorn Fence Co.
81/5	Water Line Project 1980	$123,758.30	01/06/81	05/19/81	2.37%	R. Baker Corp.
81/6	Chemical Weed Abatement 1980-81	$ 25,244.34	01/06/81	04/21/81	0.13%	Frank Olocco
81/8	Site & Building Demolition Block 4 Westside Revitalization Project	$ 14,202.00	03/31/81	05/05/81	19.21%	R. Burke Corp.
81/10	Reroof Reservoir No. 3 & the Emergency Generator Building at the Parks Dept. Maint. Yard	$ 13,058.00	04/07/81	06/01/81	0.35%	Tunnell Roofing Co.
80/14	Adam Park - Phase IV	$129,112.00	08/05/80	06/10/81	1.00%	A.J. Diani

MECHANICAL MAINTENANCE DIVISION

This division is responsible for the management of the City's entire fleet of vehicles and other similar equipment. The mobile and stationary fleet has slightly over 220 pieces of gasoline and diesel powered equipment of various sizes and types. The major portion consists of passenger vehicles and trucks. The remainder may be anything from lawn edgers to Caterpillar D-8 bulldozers.

The maintenance program includes "in-house" major overhauls, tune-ups, general repairs, minor body repairs, brake work, tire repairs, lubrication, and an effective preventive maintenance program. A critical analysis is performed on each job to assure best over-all economy. This has resulted in operating the division with a minimum dollar budget. This division is unique in that it operates as a "pool" rental system for all the mechanical equipment used by all the departments and divisions and entails the development of the specifications for purchasing of same; keeps detailed records for equipment cost analysis and setting of the rental rates for vehicles as well as the City radio communication units.

During the fiscal year, vehicles traveled 1,104,456 miles, an increase of 3.7% from last year, using some 186,942 gallons of fuel, an increase of .7% from last year. Service fuel delivery tickets used during this period were 13,749.

The division used 2,255 shop repair orders. This is an increase of 10 over that used last year.

The division used 48.0 man-hours to assist the other City department on specialized projects such as fabrication and welding. The cost of personnel, equipment, and material for this service is reimbursed through "Inter-departmental" billing.

A budget balance is sustained through revenue from the Pool Rental Program and other reimbursements, as follows:

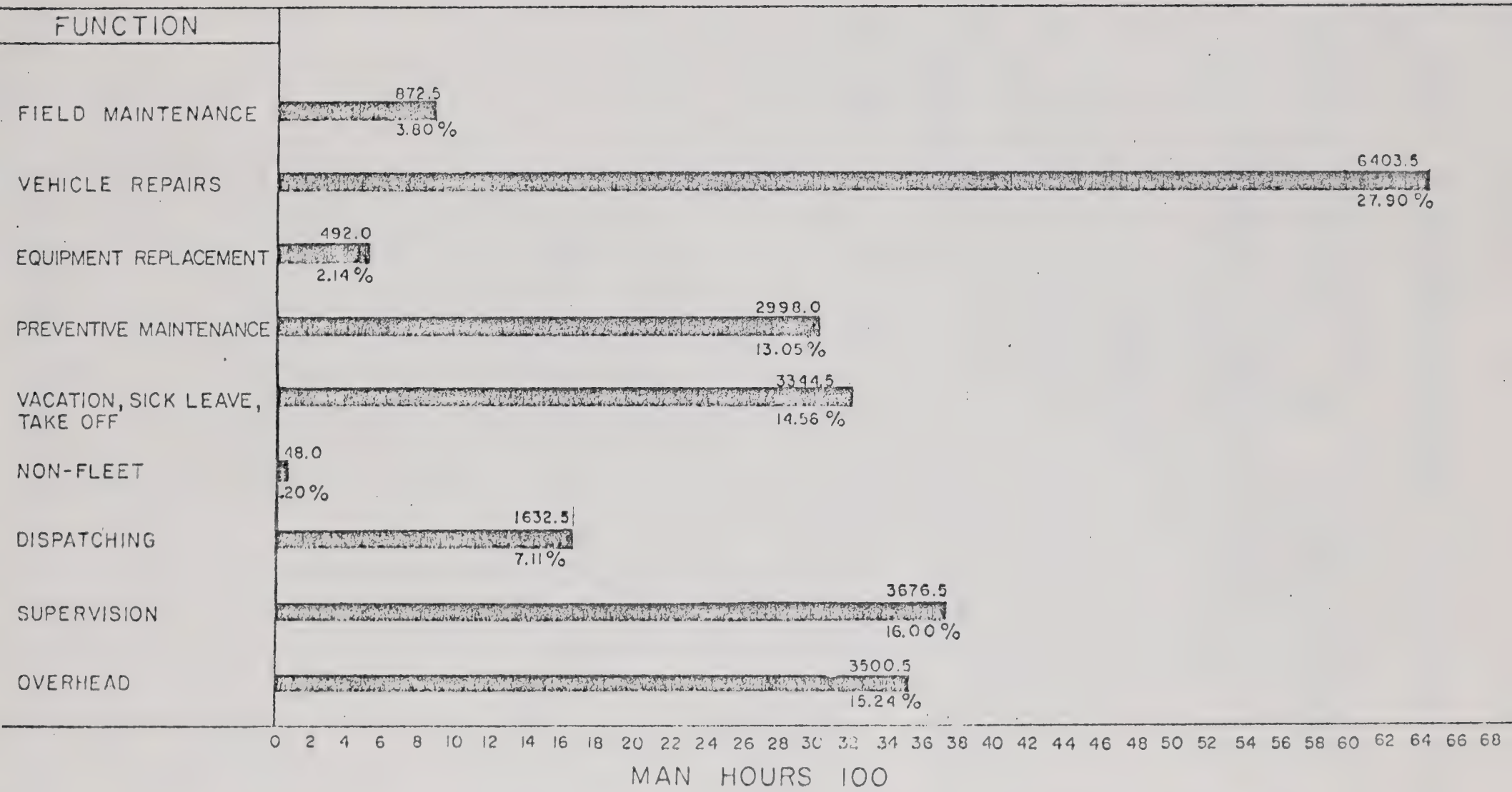
a)	Assigned and unassigned vehicles	$1,101,830
b)	Private party accident insurance	200
c)	Sale of surplus vehicles and equipment	10,000
d)	State of California gasoline road tax rebate	1,500
e)	Services provided to other agencies	6,000
		$1,119,530

Three mini buses equipped with wheelchair lifts replaced three of the five City owned standard passenger vans operated by Santa Maria Area Transit. The mini buses offer low entry, stand-up head room and a specially widened body for passenger comfort and convenience, fuel usage is near the same as the standard size vans that they replaced.

Sanitation side loading refuse trucks are continuing to show a savings in maintenance and operations over the conventional rear loading refuse trucks they replaced the year before. The side loader's increased refuse compaction per cubic yard, up to 700 pounds/cu. yd., allows for fewer trips to landfill to unload. The caterpillar D-8, operated at the landfill site, accounted for the largest single repair expenditure for a complete engine overhaul, due to normal wear and tear. Estimated engine overhaul was set at $17,000; actual cost was $20,000.

Overall fleet miles increased 3.7% while fuel usage increased only .7% from the previous year. This is attributed to down sizing of replacement vehicles (where possible), keeping engine in tune and the using divisions adhering to conservation of fuel recommendations listed under CAM 81-1.

MECHANICAL MAINTENANCE
MAN HOUR CHART 1980-81



TOTAL MAN HOURS:

22,968.0

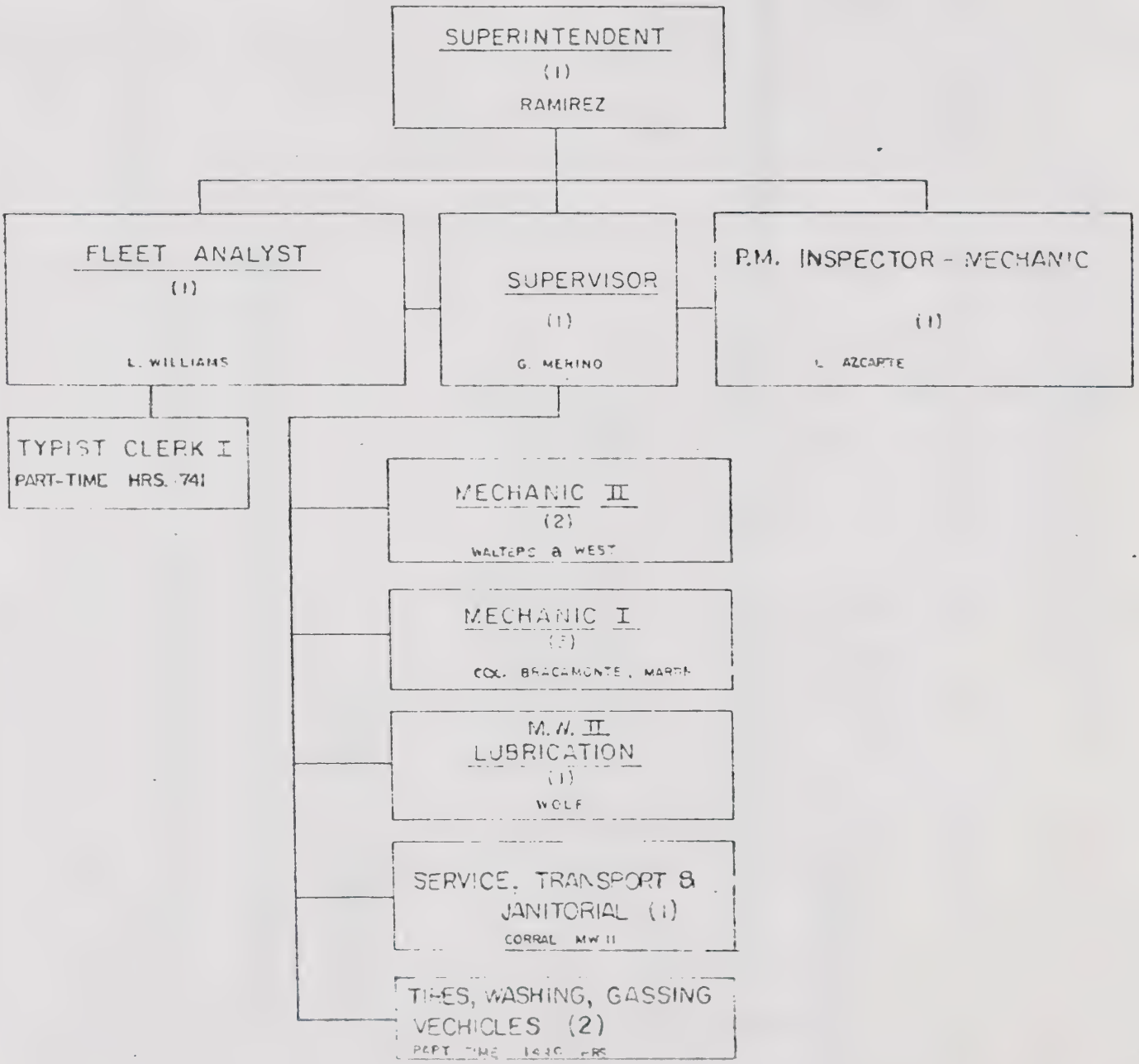
MECHANICAL MAINTENANCE DIVISION

CITY OF SANTA MARIA

DEPARTMENT OF PUBLIC WORKS

ORGANIZATION CHART

(EXISTING)



SANITATION DIVISION

Collection

The collection section of the Sanitation Division is responsible for the collection of mixed refuse from approximately 10,099 residential and commercial accounts using City personnel and equipment. Residential refuse is collected twice each week and the commercial accounts are serviced from one to six times each week.

The collections are made by two residential rear loading crews and four side loader crews and the commercial accounts are picked up by three front loader drivers. Residents are still bundling and putting out for collection old newspapers. As of June 30, 1981, 276.12 tons have been collected by City crews since the program was initiated on February 1, 1974.

Shown in Figure "I" is a comparison of the number of miles traveled by all Sanitation Division trucks for each of the last ten years for the month of June of each year. The 1981 reduction in residential miles traveled is a result of districting of the City for collection purposes along with the balancing of all the collection routes, which was implemented June 2, 1980. The drop off in miles traveled in 1974 can be attributed to the energy shortage and a resultant change in operation. The increase in 1975 is caused by new construction and when the new scales were available early in 1975 the Highway Patrol pointed out, in the form of a warning, that some of our trucks were overloaded. As a result more trips were made to the landfill with lighter loads.

FIGURE I

NUMBER OF MILES TRAVELED

	Residential	Commercial	Total
June 1971	3,771	2,331	6,102
1972	3,814	2,294	6,108
1973	3,718	2,390	6,108
1974	3,329	2,237	5,566
1975	3,566	2,415	5,981
1976	3,324	2,710	6,034
1977	3,444	2,492	5,936
1978	3,865	2,711	6,576
1979	3,429	2,699	6,128
1980	3,621	2,699	6,320
1981	3,124	2,758	5,882

Figure "II" and "III" are the tabulations showing the number of accounts for the residential and commercial over the past ten years. A point to be noted is the 1979 account figures were taken from the number of water meters in the City which included accounts serviced by Health Sanitation Service. The 1980 accounts are actual per computer print out.

NUMBER OF RESIDENTIAL ACCOUNTS

June 30, 1971	8,818
1972	8,795
1973	8,843
1974	8,923
1975	9,025
1976	9,320
1977	9,470
1978	9,961
1979	10,220
1980	9,251
1981	9,553

FIGURE "II"

NUMBER OF COMMERCIAL ACCOUNTS

June 30, 1971	264
1972	303
1973	329
1974	358
1975	376
1976	427
1977	452
1978	482
1979	506
1980	535
1981	546

FIGURE "III"

Figure "IV" shows the total cubic yards hauled by front loaders over the past 10 year period for the month of June of each year. The increase and decreases noted below are due in part to the fluctuations in the cardboard market.

NUMBER OF CUBIC YARDS HAULED BY FRONT LOADERS (COMMERCIAL)

June 30, 1971	12,073
1972	12,900
1973	13,261
1974	13,106
1975	14,536
1976	14,501
1977	16,959
1978	17,108
1979	18,708
1980	18,953
1981	18,332

FIGURE "IV"

Figure "V" shows the total tons hauled for the past four years for the month of June of each year.

NUMBER OF TONS HAULED

	Residential	Commercial
June 1978	1,166	1,167
1979	1,238	1,007
1980	1,074	985
1981	1,214	1,067

FIGURE "V"

Capital improvements added this year consists of 50 new refuse bins purchased for new accounts.

Disposal:

The disposal section of the Sanitation Division is responsible for operation of the City Landfill along the easterly terminus of East Main Street. This involves the spreading, compacting and covering of all refuse produced in the City, as well as all produced by residents adjacent to the City in San Luis Obispo and Santa Barbara Counties. This also includes estimating small pickup loads and collecting cash or issuing charge tickets for all loads dumping at the landfill. Some of the associated activities, are comprised of constructing and maintaining of the access road and erecting fences for the control of blowing paper.

No increases in dumping fees were instituted during the fiscal year.

The only capital improvement in 1980-81 was a chain link fence extension of 880' along Main Street.

Figure "VI" shows the acreage used through the fiscal years from 1965-66 to 1980-81. The variation from a normal increase each year starting in 1968-69 to present, is caused by the different types of land being used (reuse of the old dump versus clean land). The reduction in land used in 1976 and 1977 was caused by raising the height of the finished fill higher than in previous years, in addition to the clean land now being used. The increase in land used since 1978-79 is the result of not going above the levee height to make a hill and increased use of the landfill by the public. Approximately 167.76 acres of clean land is remaining for the existing landfill operation as of June 30, 1981.

Figure "VII" indicates the total number of tons received at the landfill for the various calendar years since operation of the scales commenced. These figures are reported on a quarterly basis to the Regional Water Control Board in compliance with Order No. 72-74 adopted October 12, 1972.

ACRES USED PER YEAR

1965-66	3.76
1966-67	4.10
1967-68	5.53
1968-69	7.45
1969-70	5.00
1970-71	6.81
1971-72	8.20
1972-73	5.83
1973-74	6.70
1974-75	6.05
1975-76	4.96
1976-77	4.65
1977-78	5.37
1978-79	6.69
1979-80	9.89
1980-81	10.34

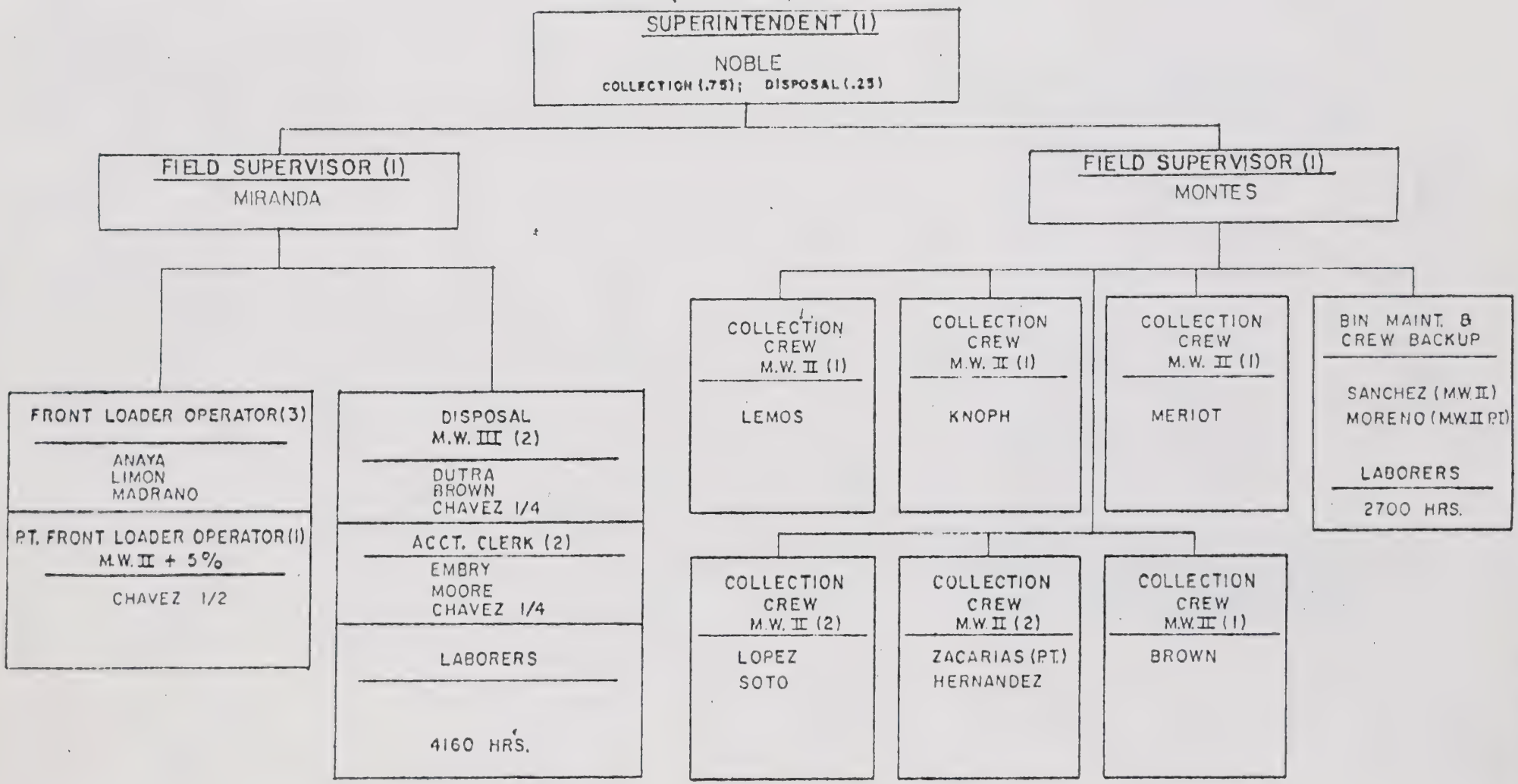
FIGURE "VI"

Calendar Year	Tons
1977	68,519
1978	83,367
1979	85,800
1980	78,414

FIGURE "VII"

SANITATION DIVISION
CITY OF SANTA MARIA
DEPARTMENT OF PUBLIC WORKS
ORGANIZATION CHART

(EXISTING)



STREET DIVISION

The Street Division is responsible for preventative and regular maintenance of the City streets with appurtenant facilities. This includes emergency maintenance or repair caused by accidents, weather conditions, settlement, or other unusual unexpected damage.

The Street Division is composed of 10 maintenance workers, 2 electricians, 1 electrical supervisor, 1 field supervisor and 1 street and sewer superintendent.

The degree and type of maintenance for each street or portion thereof in the total City street system is determined by the Street Superintendent taking into consideration traffic requirements and funds available.

High on the priority list is proper scheduling and planning of routine preventative maintenance procedures in order that any inconvenience to the public is kept to a minimum. Every effort is made to speedily correct hazardous conditions, which interfere with the flow of traffic, vehicular or pedestrian. Safety for the public is our number one consideration. The major maintenance activities conducted by the Street Division are as follows:

1. Travel-Way Maintenance:
    a. A/C Repair - Overlays - Chip Seal Coat
    b. Sweeping
    c. Concrete Improvement Repair
    d. Traffic Control
    e. Traffic Delineation
    f. Street Illumination and Electrical Maintenance
2. Wastewater Collection System Maintenance
3. Drainage Maintenance
4. Weed Abatement

1. TRAVELWAY MAINTENANCE

a. Travelway maintenance program during fiscal year 1980-81 consisted of placing 1,439.6 tons of either SC/800 or 85/100 asphaltic concrete on City streets in need of repair. This activity involves the repair of pot holes, water ditches, sewer ditches and renovation of portions of streets in preparation for annual overlays and seal coat program.

b. The annual major street maintenance program consisted of placing 6,588 tons of A/C on 847,679 sq. ft. of streets for a cost of $150,830 and placing 1,334/200 tons of chip/oil binder on 1,518,559 sq. ft. of streets for a cost of $59,729 and adjustment replacement of survey monuments, lampholes, valve boxes and manholes for a cost of $25,650. The total program cost = $236,209.

c. Street Sweeping: City streets were swept on a weekly schedule with the business area on a daily basis. The 2 motorized sweepers were operational approximately 440 sweeper days out of 520 sweeper days. The 80 days the sweepers were not operating were due to service repair, operator's illness, inclement weather, holidays and comp time off. The two sweepers removed and hauled to the landfill 2,555 tons of material swept off the City streets; using 9 pickup brooms and 30 gutter brooms.

d. Concrete Improvement Maintenance: During fiscal year 1980-81, this activity was curtailed and only temporary repairs were accomplished on defective concrete improvements. Initially hot asphalt was used to reduce the hazardous sidewalk conditions, and required that approximately 20+ complaints be received prior to A/C application. During the latter part of fiscal year 1980-81 a product was purchased that allowed the Street Division to respond to temporary repair of hazardous sidewalk complaints within a very short period of time, and in most cases the same day, time providing. Presently, this division has approximately 275 known locations of tree root damaged and concrete improvements.

e. Traffic Control: This program includes all work performed in signing as a traffic control device and placed on City streets for the purpose of warning, regulatingor guiding traffic. The work may consist of the manufacture, purchasing, assembly and installation of new signs; replacement of existing damaged signs and the repair, cleaning and painting of signs. Signs are replaced or repaired when they become defective due to age, weathering, vandalism, accidents or any other types of wear and tear. Following is a summary of this activity:

Type Signs	New or Reinstall Damaged	Reface Sign, Plate & Reinstall
Regulatory	155	174
Guide	133	11
Warning	39	79

Also, 201 barricades were constructed for use by division crews during their normal work activities.

f. Pavement Delineation: The pavement delineation program involved all work necessary to maintain and replace traffic directional street markings. Work included layout, removal of old stripes, painting of new or existing stripes and limited parking zones. This required the use of 1,076 gallons of traffic paint, 2 tons of beads, 150 gallons of lacquer and paint thinner.

g. Street Illumination & Electrical Maintenance: Street illumination is a major responsibility of this division and consists in the upkeep of 2,803 street lights and in addition includes electrical service as required by all departments and their subordinate divisions for new machines; either changes in electrical circuits or electrical repairs.

During this period there were 180 mercury vapor lights converted to low pressure sodium lights by this division. Total savings, without the sacrifice of illumination, was approximately $8,027. The conversion of street light illumination will continue until all the lights that can be converted are completed. Project completion year is 1982-83; including State Highways 101 & 166.

2. WASTEWATER COLLECTION SYSTEM

This activity consisted of immediate response to 133 main line sewer stoppage complaints. This is approximately 200% greater than 1979-80.

There was no preventive wastewater collective system maintenance scheduled. The only areas that received modified preventive maintenance were known problem areas.

3. DRAINAGE MAINTENANCE

There are 30,300 feet of underground drainage facilities now in existance and has effected a reduction of flooding at intersections on some of our major arterials

and other streets. Since the system has been in existance relatively little maintenance has been necessary. However, in the future the maintenance of the underground drainage system will increase. The present cleaning operations include flushing of 110 intersection culverts, grading and weed control of 10 major drainage ditches; this work occurs twice annually with a 2 man crew and contract applications of chemical weed control at a cost of $742.55.

4. WEED ABATEMENT

The weed abatement program takes most of seven months to complete and is conducted in five phases:

I Mid-fiscal year for lot inspection

II Posting lots for chemical weed abatement

III Application of chemical weed control

IV Posting lots for weed abatement & debris removal, manually and/or with equipment

V Manual destruction of weeds and cleaning of lots. This phase will run into the following fiscal year.

All phases require the posting and compilation of cost records to assure proper billing for each lot; all of which is forwarded to the City Clerk for the filing of assessment against the property. The entire weed abatement program during fiscal year 1980-81 came to a total of $24,501.77.

5. STOWELL & SANTA MARIA TOWN CENTERS - PARKING LOTS W/LANDSCAPING

The Stowell and Santa Maria Town Centers landscaping and parking area maintenance is performed by private contractors under the administration of the Street Division. Review for compliance with bid specifications and administration of expenditures in accordance with the contracts are the primary responsibilities. Performance standards are determined by periodic inspections and notifying the contractor of any deficiencies.

The following graph depicts manhours required for various segments of the Street Division work; note the asterisk indicates the manhours used by the electrical crew only.

STREET DIVISION MANHOURS

✕ =ELECTRICAL

JULY 1, 1980 TO JUNE 30, 1981

TYPE OF MAINTENANCE	HOURS	MAN HOURS UTILIZED PER OPERATION (THOUSAND HOURS) 0 1 2 3 4 5 6 7 8 9	% O TOTA
PATCHING	7699.0		22.86
PAINTING	2311.0		6.86
SWEEPING	377.5		1.12
SEWER	1020.0		3.03
DRAINAGE	1222.0		3.63
ALLEY	1048.0		3.11
CONCRETE	266.5		0.79
SIDEWALK (CETA)			
SIGNS	1056.5		3.14
BARRICADES	99.5		0.30
STREET LIGHTS	2667.0		7.92
STREETS ✕	18.0		0.05
CITY HALL ✕	95.5		0.28
ENGINEERING ✕			
REC. & PARKS ✕	737.0		2.19
FIRE DEPT. ✕	663.0		1.97
POLICE DEPT. ✕	108.0		0.32
MECH. DIV. ✕	83.0		0.25
WATER DIV. ✕	190.0		0.56
PLANNING ✕	46.0		0.14
WASTEWATER ✕	241.5		0.72
LIBRARY ✕	85.0		0.25
BUILDING MAINT. ✕	131.0		0.40
TOWN CENTER MALL ✕	285.0		0.85
WAREHOUSE			
PARADES	29.0		0.08
INDUSTRIAL SICK			
ELECTRICAL ASS'T.	16.0		0.05
SUPERVISION			
SANITATION			
TOWN CENTER MALL	203.5		0.06
OVERLAY/CHIP SEAL	781.0		2.32
WEED ABATEMENT	1519.5		4.51
DISABILITY			
ABSENT	178.0		0.53
VACATION	1605.0		4.77
SICK LEAVE	919.5		2.73
COMP. TIME OFF	824.5		2.45
FLOATING HOLIDAY	737.0		2.19
HOLIDAY	616.0		1.83
MISCELLANEOUS	273.0		0.81
REGULAR HOURS	31,896.0		
COMP. TIME ON	516.5		
NYC / PART TIME	1263.0		
TRAFFIC SCHOOL	32.0		0.10
ATKINSON PARK	8.0		0.02

TOTAL MAN HOURS 33,675.5

STREET DIVISION

CITY OF SANTA MARIA
DEPARTMENT OF PUBLIC WORKS
ORGANIZATION CHART
(EXISTING)

SUPERINTENDENT (1)
WILLIAMS

FIELD SUPERVISOR (2)
- TONY GALVAN (1) — STREETS
- DALE CLABORN (1) — ELECTRICAL

STREET SWEEPING
- MAINT. WORKER III — CARGILL (2/12)
- SWEEPER OPR. (2) — TORRES (1), UJANO (1)

SEWER
- MAINT. WORKER III — JOHNSON (1)
- MAINT. WORKER II — BOGUE (1)

DRAINAGE
- MAINT. WORKER II — NARTATEZ (1)

PARKING

ST. LIGHTING & ELECT. MAINT.
- ELEC. III — WALKER (1)
- ELEC. I — SMITH (1)

GENERAL MAINTENANCE

ASPHALT MAINTENANCE
- MAINT. WORKER III — CARGILL (6/12)
- MAINT. WORKER II — CABALLERO (1)

CONCRETE MAINTENANCE
- MAINT. WORKER III — MOSHIER (8/12)
- MAINT. WORKER II — CADRIEL (1)

TRAFFIC MAINTENANCE
- MAINT. WORKER III — OLIVERA (1)

HEAVY EQUIP. OPERATOR
- MAINT. WORKER III — CARGILL (4/12)

WEED ABATEMENT
- MAINT. WORKER II — MOSHIER (4/12)

MICROFILMED

WASTEWATER TREATMENT PLANT

The Wastewater Treatment Plant is located on Black Road approximately 2.5 miles west of Santa Maria. Its purpose is to treat all domestic and industrial waste as collected and conveyed by the sewer system, at a reasonable cost. Treatment is classed as secondary in nature through the use of biofiltration with anaerobic sludge digestion. The plant operated at approximately 83% design capacity and removed an average of 85% of the BOD (Biochemical Oxygen Demand), and 87% of the total non-filtrable residue (suspended solids). The plant effluent is suitable for irrigation of permanent non-dairy pasture land and fodder crops. Digested sludge averaged 56% volatile reduction. This sludge is dried in earthen beds and can be used as a soil conditioner in the absence of root crops.

The plant is maintained and operated by one Superintendent, one Field Supervisor, one Laboratory Technician, one Source Control Inspector, and four Operators. In May 1981, the Lab Tech. sought other employment. In the interim his position was filled by the Source Control Inspector. Except for the three trainees, all positions are currently filled by personnel certified in compliance with State Bill AB 1961.

During the plant expansion, tours by students and other interested groups continued to be given on limited request. A total of 40 people toured the plant this fiscal year. Visitors are shown and told about the various components of wastewater treatment used at the plant. Generally the tours are concluded with a visit to the laboratory where a question and answer session is held.

The following tests were performed in the wastewater treatment plant's State certified laboratory:

34 dissolved oxygen	5 chloride ion concentration
51 biochemical oxygen demand	7 phosphate ion concentration
51 total non-filtrable residue	7 sulfate ion concentration
45 grease and oil	7 nitrate
351 settleable solids	42 sludge samples for percent solids
346 pH	52 sludge volatile acid & alkalinity
350 electrical conductivity	4 total filtrable residue

Certain tests required by the State Water Quality Control Board were beyond the scope of the plant laboratory. For this reason, "Fruit Growers Laboratory" performed the tests under contract for the annual analysis (heavy metals, MBAS, phenols, polychlorinated byphenyls, and total chlorinated hydrocarbons), and a portion of the quarterly analysis (sodium, boron, and total nitrogen). The results of the above tests do aid in plant operation, and in some cases, reflect plant efficiency or indicate where more source control is needed. In addition to the above, BOD and Total Non-Filtrable Residue tests were performed on industrial waste discharges to the sewer system as necessary for wastewater strength determinations and charges as required under the wastewater ordinance.

Industrial Source Control - 1980-81

A new Source Control Inspector was hired July, 1980, however, this position was left void in December when the person found other employment. The vacated position was filled at the beginning of January, 1981.

The Source Control Inspector has been a representative for the Public Works Department, acting as a liaison between industry, the private sector, and the wastewater treatment plant. Again, the position was vacated when the Inspector assumed the laboratory duties and eventually filled the vacant position of Laboratory Technician.

During this limited time frame the program for Source Control has achieved the following:

1. A survey for compliance was taken to determine the type of discharge from various businesses and industries.

2. All industries were reevaluated and assigned to a particular user/class category. This classification was based on the user's principal activity and typical characteristic and composition of wastewater discharge.

3. In concurrence with Article III, Section 20-50, paragraph 2-L, a grease interceptor program for local restaurants was implemented.

4. Service stations, auto repair garages, and car washes were placed on a schedule of inspection for sediment traps.

5. Two persistant violators of the City's discharge ordinance No. 77-926, were Pentachem Chemicals and LaBrea Ice Company, Yet, without undue constraint, these two companies were brought within the realm of the required discharge limits regulated by the California Regional Water Quality Control Board.

Capital improvements this fiscal year included a portable Ph meter for the Source Control Inspector and office furnishings. Capital improvements were very limited because of the expansion, and equipment and material are being replaced under contract. The only major maintenance operation this fiscal year was the rejuvenation of the deteriorated wet well at Dejoy Lift Station. The walls and ceiling were sealed with fiberglass and a new influent gate and barminutor were also installed.

Other repairs included repacking seven (7) pumps, replaced bearings and belts on various pumps and installed a mechanical seal on #1 lift pump at Dejoy Lift Station.

Preventive maintenance program has been minimal because most of the equipment will be replaced under the plant expansion.

With the 6.8 million dollar plant expansion in progress since January 7, 1980, the plant personnel has had to work in adverse conditions such as open trenches, rerouting pipe lines, power outages, and broken lines. The plant expansion and disposal field should be completed approximately October, 1981.

Rains this past fiscal year caused some high flows because private construction personnel left manholes in new subdivisions open and unattended. Also, in March heavy rains flooded Black Road from the Blosser and Stowell area causing little damage to the plant, however, erosion of farm land in the vicinity.

Revenue collected for vacuum truck, septic tank dumping at the treatment plant amounted to $13,040; the past year's total cost for plant operation was $403,413 Includes $88,270 for General Administration Services, however, excludes $1,102,971 expended for the Clean Water Grant project. During the fiscal year 1980-81, 1,653,000,000 gallons (4.53 mgd) of wastewater was treated at a maintenance and operations cost of $190.65 per mill. gal. (not including General Administration).

Total flow is lower than the previous fiscal year because of the closing of John Ingles Freezer Plant. The cost per million gallons is higher because of the decrease in flow and operations and maintenance costs the same as when operating at full capacity. The following table and graph show the comparative measurements over the past ten years.

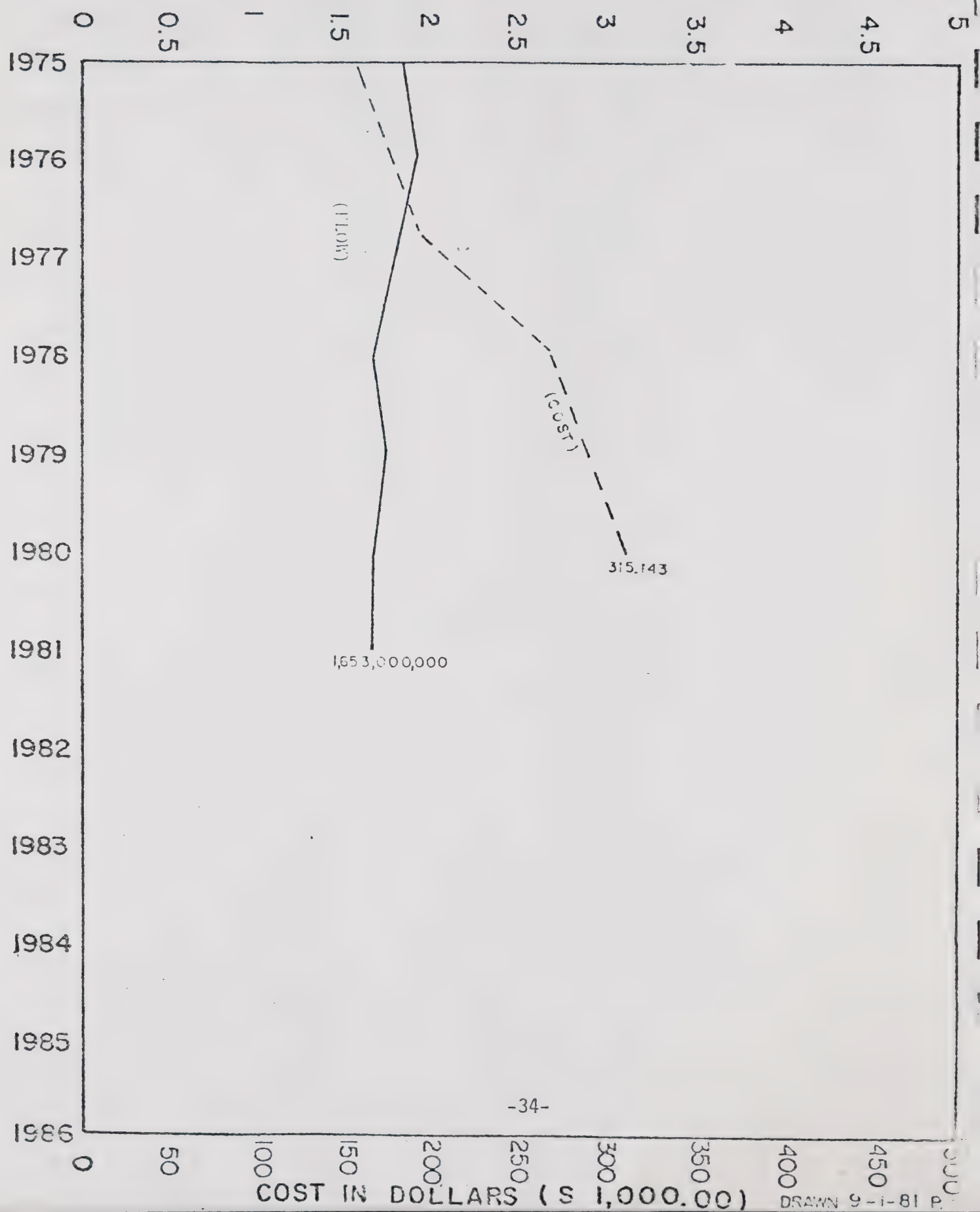
TREATMENT QUANTITIES & COSTS

Fiscal	Gallons Sewage Flow	Cost Treatment Per Million Gals.	Cost
1971-72	1,636,760,000	64.43	$105,450
1972-73	1,602,693,000	75.09	120,340
1973-74	1,762,962,000	80.45	147,701
1974-75	1,814,920,000	97.95	177,779
1975-76	1,835,380,000	101.00	185,385
1976-77	1,746,560,000	113.94	199,000
1977-78	1,666,090,000	138.29	230,396
1978-79	1,727,600,000	136.59	235,973
1979-80	1,710,560,000	132.39	226,379
1980-81	* 1,653,000,000	** 190.65	315,143

* 5,073 acre feet

** 62.12 per acre foot

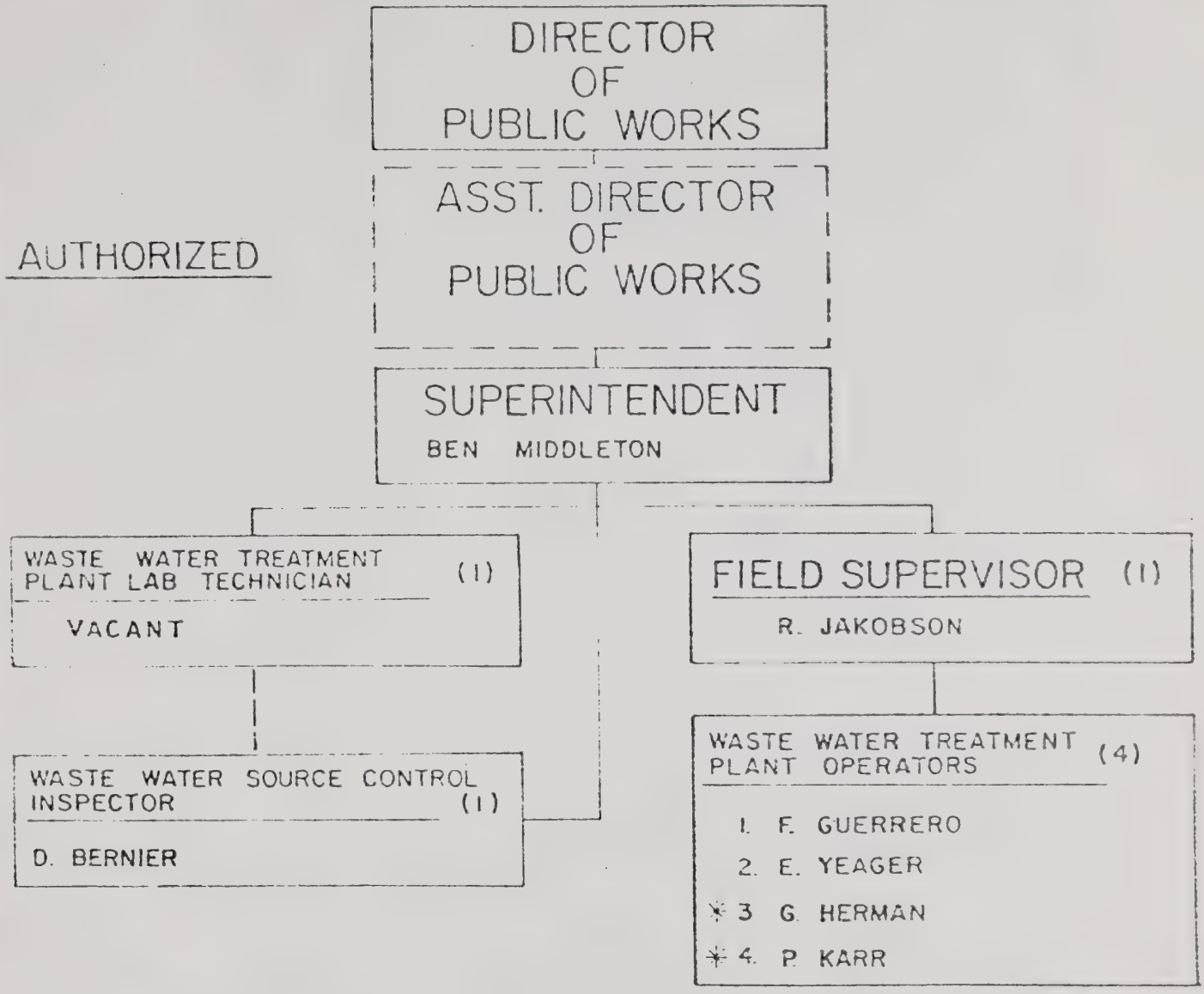
w/Gen. Admin. $183.61/mg
79.52/af


SEWAGE FLOW IN GALLONS (10^9)
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
(FLOW)
(COST)
315.143
1,653,000,000
0
50
100
150
200
250
300
350
400
450
COST IN DOLLARS ($ 1,000.00)
DRAWN 9-1-81

WASTE WATER TREATMENT DIVISION

CITY OF SANTA MARIA
DEPARTMENT OF PUBLIC WORKS

ORGANIZATION CHART



* WASTE WATER TREATMENT PLANT OPERATOR TRAINEE

WATER DIVISION

PRODUCTION

Fifty-six (56) water samples per month were collected throughout the system by the Water Division Personnel for bacteria analysis in compliance with the State Health standards. The analysis in all cases substantiated that the water system is clean. Also as required by State Health standards, tests were performed by the City Water Division on water samples for general minerals - heavy metals, radioactivity, turbidity, color, odor and temperature, all were well within the standards. Repairs were made on approximately ten well chlorinators which included six rebuilt chlorinator pumps. Technical maintenance was carried out on the automatic well control and pressure control system. The system includes telemetering and electronic components at a headquarters main control panel, a failure alarm system, a sub-panel and several remote stations. The water production capability is comprised of 10 water wells and are located within the Santa Maria Public Airport boundaries, with the exception of two, close to the center of the City. The wells furnished an average 7.6 million gallons per day to satisfy the customers' demands. The two ground level and two elevated reservoirs used in conjunction with the wells, have a total of 15.5 million gallons storage capacity. The new 7-million gallon reservoir has increased the "elevated" reservoir capacity to 13.0 million gallons. The combined well production and reservoir capacity must also supply the peak demands of 16 million gallons per day and allow at all times for a reserve fire flow supply. This all amounts to an annual total consumption of approximately 2.8 billion gallons.

DISTRIBUTION

The water distribution section is responsible for transmitting water from the well source to the people. This service is provided to over 11,675 accounts through a water line system which is approximately 215 miles long. This section also provides the meter reading function, water billing and collection services, installation

of service lines, meter maintenance and maintains all water distribution facilities in their entirely. The income from all water sold this fiscal year is shown on following graph. Totals of various water division functions during the fiscal year 1980-81 are listed as follows:

FUNCTION	NO. COMPLETED
1. Water meter readings	70,008
2. Water service turn-ons	2,506
3. Water service turn-offs	2,592
4. Collection (delinquent bills)	1,553
5. Water meter re-reads	3,316
6. Miscellaneous service calls	1,208
7. New service line and taps installed	309
8. Water meters installed	918
9. Water meters removed	790
10. Water meters repaired in shop	618
11. Water meters repaired in field	3,631
12. Renovation of water meter locations	3,404
13. Ball valves installed	963
14. Water meter vaults installed & replaced	345
15. Water line leaks repaired	109
16. Flushing dead-end stations	270
17. Flushing fire hydrants	246
18. Fire hydrant repairs, painting & maintenance	280
19. Main line gate valves operated	1,308

WATER QUALITY

Ongoing monitoring and testing of the City's water system is to assure that the water is of good quality and within the allowable limits of the State Department of Public Health.

1. Chlorination of the source water is applied at each well which carries the chlorine throughout the system and thus a 0.1 p.p.m. residual of free chlorine is maintained in the extremities of the distribution system. This minimum amount of free chlorine is a positive indicator that any pathogenic material that may have entered the system will be killed off by the chlorine exposure.

2. Bacteriological monitoring is accomplished by collecting fourteen water samples weekly at various locations in the distribution system and tested in the County Health Department Laboratory in Santa Barbara. Again this year, the excellent and continuing bacteriological free record of the City water system can be attributed to chlorination, flushing of dead-end lines and fire hydrants, and an effective cross connection control program.

3. Ground water source sampling is made on an annual basis for a chemical analysis of each well. These tests show any changes in the water quality relating to mineral content. The total mineral content this pas year averaged 624 p.p.m. and the hardness contest was 453 p.p.m. or 26.5 grains per gallon.

4. Heavy metal analysis of each well source is tested every three years to ascertain that the water is less than the maximum allowed by the United States Public Health Standards and the State of California Department of Public Health requirements for drinking water. Consistantly the water has been within these limits.

THE CROSS CONNECTION CONTROL PROGRAM is primarily a procedure to protect the public water supply from potential sources of contamination. This refers to any connection that could permit toxic or pathegenic material, or materials objectionable to taste or odor, from entering the public water system.

During the past year the following quantities of "backflow prevention" items of work were performed.

ITEM	NO. COMPLETED
Installed	42
Replaced	6
Repaired	2
Tested	96
Installation Inspection	43
Survey Inspection	413
Informational Services	93
Conferences	57
Correspondence Reports	557

The following graph is a plot of annual revenue, costs, and amount of water production. The cost per acre foot reflects costs of operation and maintenance of the system, overhead, plus repair or replacement of deficiencies in the existing system. No new capital outlay costs or bond service is included in the cost per acre foot.

Capital improvements completed or contracts awarded in conjunction with other names projects for 1980-81 fiscal year, consisted of six major projects as follows:

INSTALLATION OF WATER LINES

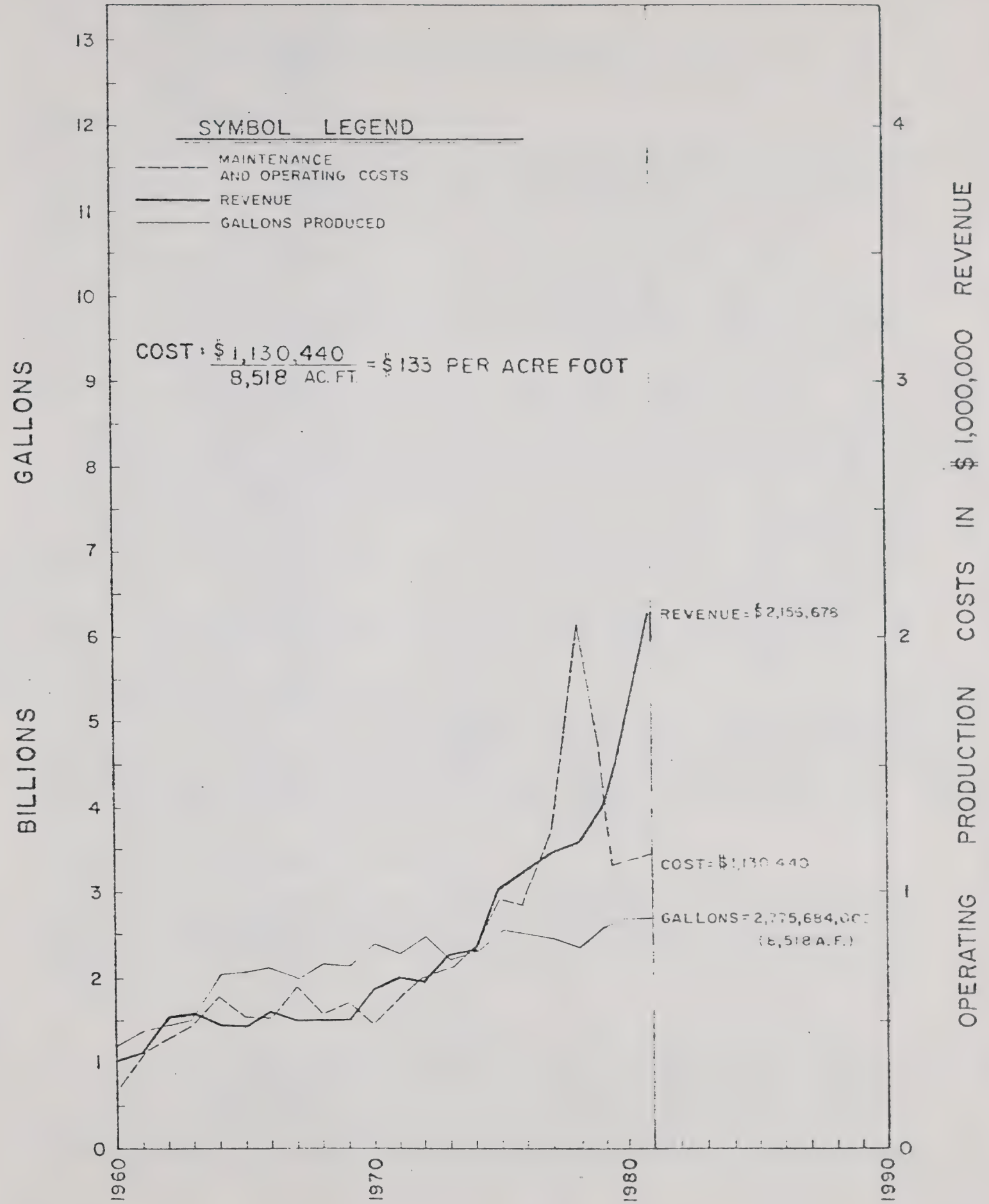
1.	Install 8" A.C. water line in Thornburg from Dal Porto to Betteravia.	$ 41,000
2.	Install 10" A.C. water line in Blosser Road, Del Norte to Northgate Subdivision.	$ 24,840
3.	Install 10" A.C. water line in College from alley north of Park Street to Stowell Road and in Santa Maria Railroad easement.	$115,470
4.	Reroof reservoir #3 at 622 S. McClelland.	$ 17,680
5.	Refoof generator building at 622 S. McClelland Street.	$ 1,590

The continuation of the present level of service to the public during the budget year of 1980-81 caused the purchase of equipment and replacement as follows:

1.	New water meters	$39,300
2.	Electric drill press and bits	$ 290
3.	Replacement of vehicle #665	$ 4,380

ANNUAL~WATER PRODUCTION

DELIVERED COSTS, SALES REVENUE



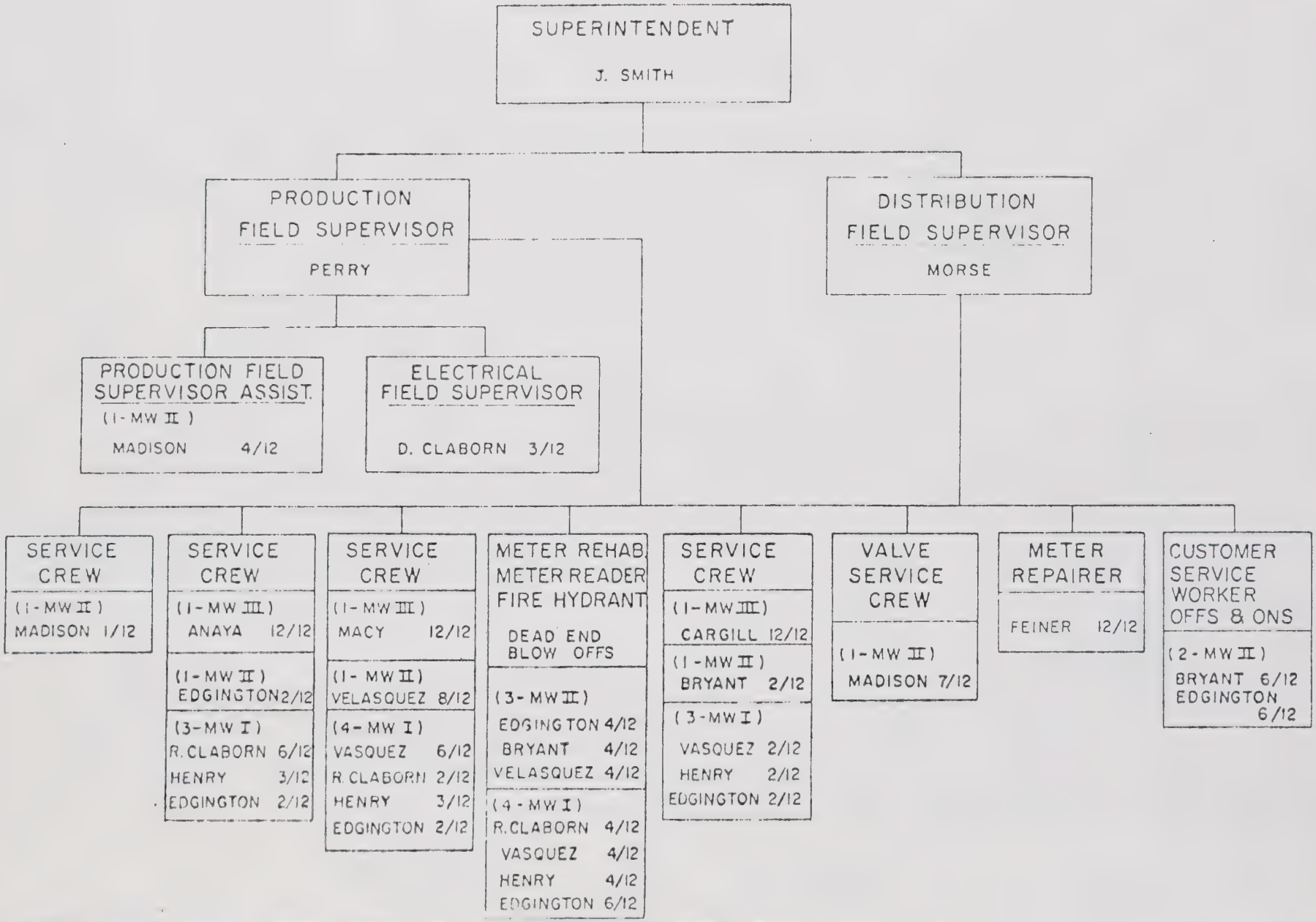
REDRAWN 8-18-81 P.J.C.

WATER DIVISION

PUBLIC WORKS DEPARTMENT

ORGANIZATION CHART

EXISTING



ENGINEERING, OPERATIONS & ADMINISTRATIVE STUDIES

Standard Specifications & Standard Drawings

The standard specifications and drawings are available through this office and have been updated and revised through this year. These specifications and drawings indicate typical approved methods and materials for all types of Public Works construction.

Microfilm & Indexing System

On a continuing basis, all drawings, maps, specifications and photographs produced during the year are microfilmed, mounted on aperture cards and filed with all other documents and records.

TOPICS Plan and Study Report for Santa Maria Urban Area - Implementation

This report which used uniformity of traffic control and traffic safety measures as criteria was completed in November 1973. The study identifies locations of greatest traffic congestion and relative accident frequency and also recommends remedial projects in priority of importance.

Of the eight locations recommended in the improvement plan, seven are now complete and the last is programmed in the five year improvement plan.

The Bradley & Stowell signal installation was the most recent project completed which became operational December 1979. Miller and Donovan signals are programmed in the five year program to be installed in 1983-84.

Five Year Capital Improvement Program

Along with each of the other City departments, the Public Works Department developed recommendations for capital improvements deemed desirable over the next five years. This information, after coordination with other departments and comparison with our financing capabilities by the Administrator's office, resulted in the capital improvements program section of the current year's budget.

Engineering Division Forms and Checklists

The Engineering Division has developed standardized forms to aid in the consideration and evaluation of subdivision maps and public improvement drawings. These standardized forms are evaluated and revised on a continuing basis throughout the year.

Wastewater Treatment & Disposal Facilities

At the request of SWRCB (State Water Resources Control Board) staff during mid 1979 Step 2 (design) and subsequent Step 3 (construction) work was split into two projects, treatment and disposal for the City's Clean Water Grant Project. At the time, land acquisition for the disposal portion was not complete and it was thought advisable to proceed with construction of the treatment portion of the project and follow up immediately with construction of the disposal portion.

On December 4, 1979, the City Council awarded the treatment portion of the clean water grant project to Carl W. Olson & Sons Company for $6.549 million. Work has been proceeding and is slightly behind schedule however, is anticipated to be complete in October, 1981.

On December 16, 1980, the City Council awarded the disposal portion of the clean water grant project to A. J. Diani Construction Co., Inc. for $1.08 million. Work has been proceeding on schedule and is anticipated to be complete by November, 1981.

The proposed complete project will maintain the secondary type treatment with land disposal of the effluent as it previously existed. The modification and enlargement will increase the treatment and disposal capacity from 5.0 MGD to 6.5 MDG.

Amended Agreement with Laguna County Sanitation District

On June 2, 1981 and July 6, 1981, the City Council and Board of Supervisors respectively approved an amendment to the original August 8, 1977 "Flow Exchange" agreement. This most recent amendment adjusted one factor in the formula pertaining to the present worth of City's treatment facilities used to calculate the total bill for one entity treating the other entity's wastewater. This recent adjustment reflected the investment of City funds or its local share of the State and Federal grants for improving the City's wastewater treatment and disposal facilities under the Clean Water Grant Program.

Santa Maria Area Transit (SMAT) Service

In July 1980, the City Council approved the name of SMAT, Santa Maria Area Transit, for the bus transportation service subsidized by State Transportation Development Act (TDA) monies from the City of Santa Maria, County of Santa Barbara and City of Guadalupe. This service, as it has existed since 1976 when the City of Santa Maria and County of Santa Barbara first began subsidy, is operated by the non profit corporation, S.M.O.O.T.H., by contract with the City of Santa Maria using equipment owned and maintained by the City.

Presently, the fleet consists of five vehicles with two on demand response and two on fixed route with one for back up. Service is provided to the unincorporated area around Orcutt plus to the City of Guadalupe.

In July 1981, service hours for the fixed route will be increased from eight hours per day, five days a week to twelve hours per day five days a week plus eight hours on Saturday. In addition to the present north/south fixed route, a new east/west route in the City area is being planned to begin operation in September 1981 pending receipt of two additional vehicles. Also, bus stop signs and benches for the fixed route are planned to be installed prior to the additional service.

Residential Solid Waste Collection

Following City Council approval in November 1979 of a staff submitted report recommending exercising the purchase option of a leased sideloader, the City has been on a program of gradually converting residential collection from two man crew rearloader equipment to one man crew sideloader equipment in an effort to minimize service costs. During the test period from July to November 1979, one sideloader was used on various routes in the community along with five rearloaders. The study concluded the test period was successful and that the sideloader could

provide a more cost effective collection means (approximately 21% less) for curb side pickup than the rearloading type piece of equipment. Twice per week service is offered with service on Monday through Saturday.

Phase I was implemented on June 2, 1980, wherein the entire residential collection service area was rerouted to implement usage of two sideloaders every service day. As in this phase and subsequent phases, as older rearloaders become eligible for replacement, they were replaced by a sideloader.

Phase II commenced on September 13, 1980, with the usage of three sideloaders every service day.

Phase III commenced on June 12, 1981, with the usage of four sideloaders every service day. This presently leaves only two rearloaders in use every service day.

Experience indicates that the two man rearloader crews are picking up between 50-65% of the tons per man that a one man sideloader with approximately the same completion times.

The next phase will not occur for approximately two years due to the replacement schedules of the rearloaders. An item of concern for the next phase is the handling of the narrower alleys in the older portions of town.

In the three phases, only a minor number of accounts had to be changed from alley to curb service due to ingress and egress problems. Present routes do include some alley accounts, mainly where there is sufficient width for maneuvering.

Westside Redevelopment

Phase I of the Westside Redevelopment is a program to improve the four block area bounded by Pine, Chapel, Broadway and Church Streets. A soon as 60% of the property owners in a block have agreed to rehabilitate their buildings, the City would proceed to develop parking facilities on land acquired by the Redevelopment Agency. The past year Public Works, along with Kerr, Hall, Hurley & Deutsch (Architects) designed and administered the construction of the first of three parking lots in Phase I (at the southeast corner of Pine and Chapel). In addition, Public Works administered the contract for the demolition and site clearing of properties in the 100 block of West Church. It is anticipated that the remaining two parking lots will be constructed in the next year.

Phase II covers a four block area bounded by Pine, Church, Broadway and Cook Streets, with future improvements including a major department store connected to the existing Town Center Mall by a 95' wide pedestrian bridgeway over Broadway, which would also contain retail floor space. At this time it is anticipated that Public Works would be involved in the administration of contracts to build the parking facilities within the area.

APPENDIX B

Financial Information

FUNCTION	Overhead	F.Y. EXPENDITURES Operations	Capital Outlay	Reserve / Bond Service		FUND SOURCE (S)	
ADMINISTRATION		103,720				General	78,870
						Water	9,310
						Refuse-Coll.	8,590
						Refuse-Disp.	2,650
						Sewer	4,300
BUILDINGS		175,115	133,058			General	229,993
						Water	29,290
						Refuse-Coll.	27,030
						Refuse-Disp.	8,350
						Sewer	13,510
ENGINEERING		306,340	1,279			General	227,039
						Water	27,940
						Refuse-Coll.	25,780
						Refuse-Disp.	7,970
						Sewer	12,890
						Gas Tax	6,000
STREETS		959,021	617,979			General	773,991
						Gas Tax	803,009
SEWERS	14,220	60,949	5,890		104,630	Sewer	185,689
WASTEWATER	74,050	315,144	192,872	627,910		Sewer	1,209,976
SAN-COLL.	172,310	750,803	9,413	110,490		Refuse-Coll.	1,043,016
SAN-DISP.	57,670	230,557	46,254		38,400	Refuse-Disp.	372,881
DRAINAGE		27,363				General	27,363
WATER	205,680	890,945	363,766	844,720	126,105	Water	2,431,216
MECH. SHOP		804,302	* 262,286			Equipment	1,066,588
PARKING DIST.		1,318			10,175	District	11,493
STOWELL CNT.		8,059				Maint. District	8,059
PARKING AUTH.		144,277				General	144,277
PUBLIC TRANSIT (SMAT)		143,870	33,090				176,960

NOTE: The above information should not be used as final audit figures, but are reasonably accurate for the purposes of this summary.

* This figure includes the annual equipment replacement expenditures, which is funded through the equipment pool rental program, for pieces of equipment eligible for replacement during this fiscal year.

PERSONNEL NOTES

The total permanent employees working in the Public Works Department during fiscal year July 1, 1980 to June 30, 1981 amounted to 88, which included all the divisions. A Maintenance Worker II was transferred to the Street Division from the Sanitation Division after another Maintenance Worker II in the Street Division left the City due to a medical disability.

The number of positions vacated in the department as a result of employees that either retired or left the City for personal reasons consisted of the following:

1 - Maintenance Worker II	Robert Roth	New Position	

The 1980-81 approved budget authorized the additional maintenance worker III position in the Building Maintenance Division.

4 - Maintenance Worker II	Ray Arellanes	medical disability	02/25/81
	Charles Coppess	medical disability	04/09/81
	Gilbert Garcia	deceased	08/07/80
	Ron Lobo	left city	04/02/81
1 - Engineering Aide	Mickie Hathorn	left city	05/23/81
1 - W.T.P. Operator	Leonard Price	left city	09/13/80
1 - W.T.P. Inspector	Robin Shroyer	left city	12/20/80
1 - W.T.P. Lab Tech.	Alan Walker	left city	05/16/81

The above constitutes a turnover rate of 9% for all employees who left for personal reasons.

During the fiscal year, the City did not participate in the Federally funded program, Comprehensive Employment and Training Act (C.E.T.A.). However, 5 employees continued their one year training into fiscal year 1980-81. Three employees finished their training and left the City in July 1980, one finished in August 1980 and the remaining finished in September 1980.

Summer programs were provided and training was carried out for a total of eleven (11) Work Aides of Primarily high school age young adults in the following areas:

1 - Buildings
4 - Streets
1 - Wastewater
4 - Water
1 - Mechanical Maintenance
11 - TOTAL

Five (5) employees worked in the Public Works Department under the Neighborhood Youth Corps Program, which is financially supported by State funds to provide work experience and financial aid.

1 - Street Division

3 - Mechanical Division

1 - Engineering Division

5 - TOTAL

EMPLOYEE ROSTER

DIRECTOR OF PUBLIC WORKS
Riddiough, Reese

ADMINISTRATIVE DIVISION

PERSONNEL

Albright, Kathy
** *Burns, Sandi*
Holling, Wendy

ASSISTANT DIRECTOR OF PUBLIC WORKS

Sinn, Jeffrey

ENGINEERING DIVISION

PERSONNEL

** *Chandler, Phyllis*
Diaz, Lino
Hathorn, Mickie Jo
Kirkpatrick, Mike
Palato, Carman
Pantoja, Henry
Rios, Harold C. Jr.
Soares, Herbert
Ujano, Lorenzo
Wall, Robert
Zuspan, John

BUILDING DIVISION

SUPERINTENDENT

Anderson, Norman

PERSONNEL

** *Almaguer, Tony*
** *Harper, Kathryn*
Johnson, Roy
Marsh, Harold
** *Rivera, Florante*
** *Robinson, Robert*
Roth, Robert
Stockton, Loy

WASTEWATER DIVISION

SUPERINTENDENT

Middleton, Ben

FIELD SUPERVISOR

Jakobson, Russell

PERSONNEL

Bernier, Dennie
Guerrero, Froyland
Herman, Gary
Karr, Paul
Walker, Alan
Yeager, Edlebert

STREETS & SEWERS DIVISION

SUPERINTENDENT

Williams, Bill

SUPERVISOR

Claborn, Dale (Elect.)
Galvan, Tony (Streets)

PERSONNEL

Bogue, Manning
Caballero, Richard
Cadriel, Agustin
Cargill, John
Johnson, Robert
Moshier, Don
Nartatez, John
Olivera, Theodore
Torres, Jesse
Ujano, Robert
Walker, William

SANITATION DIVISION

SUPERINTENDENT

Noble, Bill

SUPERVISOR

Miranda, Pete (Disposal)
Montes, Albert (Collection)

PERSONNEL

Anaya, Ernest
** Balerio, Jose
Brown, Billy
Brown, Luis
Chavez, Michael
Coppess, Charles
Dutra, Gordon
Embry, Lee
Hernandez, Rudy
Knopf, Mike
Lemos, Jesse
Limon, Arthur
** Lopez, Benji
Lopez, Silvestre
Medrano, Ron
Meriot, Francis
Moore, Sheryl
Moreno, Mark
Sanchez, Gregory
Soto, Percy
** Trevino, Ruben
** Zacarias, Santiago

WATER DIVISION

SUPERINTENDENT

Smith, Jesse

SUPERVISOR

Morse, Carmel (Distribution)
Perry, Jim (Production)

PERSONNEL

Anaya, Manuel
Bryant, Wayne
Cargill, Jim
Claborn, Ron
Edgington, Rick
Feiner, Joe
Henry, Barry
Lobo, Ronald
Macy, Steve
Madison, Melvin
Vasquez, Henry
Velasquez, Dario

MECHANICAL MAINTENANCE DIVISION

SUPERINTENDENT

Ramirez, Hank

SUPERVISOR

Merino, George

PERSONNEL

Azcarate, Larry
Bracamonte, Daniel
Corral, Charlie
Cox, Jim
** Herrera, Frank
Martin, Jerry
** Rust, Lydia
Walters, Delbert
West, Millard
Williams, Larry
Wolf, Marcelino

** Part Time

INSTITUTE OF GOVERNMENTAL STUDIES LIBRARY
109 MILLSOPHY HALL
UNIVERSITY OF CALIFORNIA
BERKELEY, CA 94720

U.C. BERKELEY LIBRARIES
C123323231

INSTITUTE OF GOVERNMENTAL STUDIES LIBRARY
109 PHILOSOPHY HALL
UNIVERSITY OF CALIFORNIA
BERKELEY, CA 94720

A 0183
1980/1981

INSTITUTE OF GOVERNMENTAL STUDIES LIBRARY
109 PHILOSOPHY HALL
UNIVERSITY OF CALIFORNIA
BERKELEY, CA 94720